

Appl. No. 10/562,872
Amendment and/or Response
Reply to Office action of 26 November 2008

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Amendments to the Specification:

Please replace the paragraph beginning at page 4, line 10, with the following rewritten paragraph:

A CP and an MR-MS can be physically combined within a single device, referred to as a "combo" device. Examples of an MS are, a video recorder, a DVD player, a CD player, a digital camera or camcorder, a TV tuner, a settop box, a PC. Examples of an MR are a TV display monitor, speakers, a PC, an MP3 player, etc. Each device that is able to send or receive a stream of data according to the UPnP AV device model comprises one instance of a Connection Manager service (CM). A CM provides a mechanism for CPs to perform capability matching between MS devices and MR devices; to find information about transfers on the network currently ongoing; and to initiate and terminate connections between devices. The CM thus enables CPs to abstract from physical media interconnect technology when making connections.

Please replace the paragraph beginning at page 8, line 27, with the following rewritten paragraph:

Fig. 2 is a block diagram of a UPnP system 200 according to the invention. With respect to Fig. 1, a major difference resides in system 200 now having a MR 202 that also accommodates at least part of the functionality 204 of a UPnP CP. For example, MR 202 is an MR-CP combination device. Operation is as follows. As in system 100, the user is enabled to browse CDS 108 via CP 106 and to select a particular content item for rendering at MR 202. In system 200 according to the invention, selection of a particular content item results in CP 106 forwarding to MR 202 a special URI. The special URI comprises the identifier, or objectID, of the content item selected but, in addition, comprises the URI of CDS 108. As noted earlier, CDS 108 is the service that implements the features required for browsing MS 104. The syntax of the special URI is <CDS service description URI>?<objectID>, and an example thereof is http://10.0.0.2/cdsdesc.xml?trackid=2154. In general, the CDS service description URI allows a CP to retrieve all information from an MS that is needed to support browsing.

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Please replace the paragraph beginning at page 9, line 6, with the following rewritten paragraph:

CP106 determines that MR 202 can render this special URI by means of the regular mechanisms as defined in UPnP AV. MR 202 announces, in its supported protocols, a string known as ProtocolInfo (see above) that identifies this type of URI (or more precisely, this type of protocol). The special URI represents a vendor specific protocol, and will be announced as www.philips.com:*:upnp/objectidref:*.

Please replace the paragraph beginning at page 9, line 12, with the following rewritten paragraph:

MR 202 now uses its built-in CP 204 and the information embedded in the special URI to contact MS 104 for retrieval of the information about the selected item. Upon retrieval thereof, CP 204 is capable of acquiring the full context and is capable of browsing the parents and siblings of the selected item. At this point, CP 204 is used by MR 202 and handles the playing out of the selected content item as if the playing out had been initiated by a user through the local controls of CP 204. CP 204 handles the remainder of the playback logic from now on. CP 106 can, but does not need to, remain on network 200. It is kept informed of the state of MR ~~204-202~~ and consequently of any further actions taken by CP ~~202-204~~, through the normal mechanisms defined in UPnP AV. The user can use either CP 106 or CP ~~202-204~~ to trigger further actions on MR ~~204-202~~. So, if MR 202 receives a request, be it from CP 106 or CP 204, e.g., to play out at random more items of the container to which belongs the item first selected, or to play a next item or a previous item, etc., according to the organization in CDS 108, MR 202 uses its CP 204 again to retrieve the relevant items from MS 104.

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Please replace the paragraph beginning at page 10, line 6, with the following rewritten paragraph:

System 200 also comprises an additional CP 206. As discussed above, CP 106 was used to initiate the playback of the selected content item, indicated by the objectID in the special URI that also contained the URI of CDS 108. Using the special URI and the ProtocolInfo string, CP 206 is enabled as well to retrieve the context of the selected content item. In order to do this, CP 206 sends a request to MR 202 via the CM service and AVT service. According to the invention, therefore, CP 206 is enabled to regenerate the context of a content item being played out at MR 202. This can be used in the scenario wherein the user of network 202-200 moves between different CPs.